



International Association of Marine Science  
Libraries and Information Centers

# newsletter

Number Twenty-two

May 1986

Kristen L. Metzger, editor

## 1985/1986 IAMSlic OFFICERS

### President:

Mary Jane Beardsley, Librarian  
University of Rhode Island  
ICMRD, Main Library  
Kingston, Rhode Island 02881  
U.S.A.  
(401) 792-2938

### Vice President / President-Elect:

Judith Brownlow, Librarian  
U.S. National Marine Fisheries  
Service, Northeast Fisheries Center  
Woods Hole, Massachusetts 02543  
U.S.A.  
(617) 548-5123

### Secretary:

K. Eric Marshall, Head, Scientific  
Information Services and Library  
Canada Dept. of Fisheries and Oceans  
Freshwater Institute Library  
501 University Crescent  
Winnipeg, Manitoba R3T 2N6  
CANADA  
(204) 269-7379

### Treasurer:

Kay K. Hale, Librarian  
Rosenstiel School of Marine  
and Atmospheric Science  
University of Miami  
4600 Rickenbacker Cswy.  
Miami, Florida 33149  
U.S.A.  
(305) 361-4021

## \*\*\*\*\* FROM THE PRESIDENT \*\*\*\*\*

Spring brings news from near and far...

Judith Brownlow has already received a number of papers/speaker acceptances for our conference. The program is going to be extremely interesting. I leave it to her to say more.

I am doing my stint as reviewer for Ruth Grundy on the 1985 proceedings. (Ruth's laser printer is so good that I feel guilty about marking a page!) I intend to get the papers back to her this week, so the Proceedings should be on your doorstep very soon.

◆ (CONTINUED ON PAGE TWO) ◆

(FROM THE PRESIDENT ..... continued from page one)◆

Norman Howden left an IAMSLIC message on DIALMAIL early this year. Did anyone find it? I would like to know how many IAMSLIC members could take advantage of this new DIALOG service. We discussed electronic mail before to no conclusion, but DIALOG is a more familiar service. I had hoped to have some dollar figures to mention here for after hours connect, conferencing, etc., but DIALOG sent me the wrong material. I believe this should be on the agenda for our business meeting. Please let me know how you feel about it.

At least two of our IAMSLIC '85 colleagues will be experimenting with the new ASFA CD-ROM technology. Confirmed by Jonathan Sears at Cambridge Scientific Abstracts, the equipment will be placed at the NARA library, Crow Island, Sri Lanka and at the National Bureau of Oceanography, Tianjin, China within the next month. Obviously, our friends from those institutions will have to come back to IAMSLIC to report on their experiences with this latest in technology.

If all goes well, this summer will see me travelling to Ecuador on a marine science information project. I shall be going to Guayaquil to visit marine libraries at four institutions there. We shall be discussing formal and informal networking arrangements both national and international. If your library/information center has a working relationship with a marine institution in Ecuador, please write to me as soon as possible. Though I am going as a representative of the University of Rhode Island, I am also your representative this year and will be happy to extend greetings on your behalf. Needless to say, a crash course in Spanish begins immediately! This all came about during the last week, so I am still trying to believe it.

Happy Spring to you all. Mary Jane

★★★★★★★★★★★★



#### PERIODICALS ON MICROFILM



Valerie Wardell-Ritterbusch of University microfilms says that UMI would like to find out which journals marine science librarians would be interested in having available on microfilm. UMI has recently cooperated with the National Speleological Society to film some of the specialized journals that were thought to be important but not widely available. She asked me to ask IAMSLIC which journals they should consider for filming. Would you please give me your opinions/suggestions? I'll make a tabulation, send it to Valerie, and report the results to you in the next newsletter. Thanks!!

Marilyn Guin  
Hatfield Marine Science Center  
Oregon State University  
Newport, Oregon 97365

OUT-OF PRINT BOOK SOUGHT

Remane, Adolf. "Rotatoria." in Grimpe, G. und E. Wagler. Die Tierwelt der Nord- und Ostsee. Lief 16, Teil VIIe. pp. 1-156. Leipzig: Akademische Verlagsgesellschaft m.b.H., 1929.

If you have a copy that you would be willing to give away or sell, please contact Alison Ricker, Science Librarian, Oberlin College Science Library, Oberlin, OH 44074.

\* \* \* \* \*

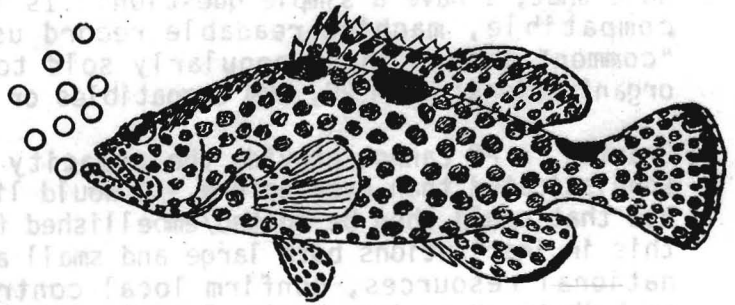
FISHERIES PUBLICATIONS

I have a collection of duplicate publications which I would like to exchange with other libraries within IAMSLIC. Basically on the subject of marine fisheries, they include many publications from the U.S. Dept. of Commerce/NOAA and older U.S. Dept. of Interior, Fish and Wildlife Service reports, etc. There are also about 100 assorted serial titles in fish and game, marine fisheries, marine biology and ecology, etc. An inventory of these duplicates is available to any interested librarians. Please write to Library, Nacote Creek Research Station, Star Route 9, Absecon, NJ 08201 or call 609-441-3292. Thank you.

Linda R. Idelberger, Librarian

WANTED: DISASTER PLANS

Copies of written disaster plans are requested to form the base of a "Disaster Manual for Marine Science Libraries." Hopefully, there will be enough progress to report at the October '86 meeting and publication in 1987. (There is a good chance that the Univ. of Connecticut will publish it for us.) Please send copies of your disaster plan to: Connie Cooke, Library, Univ. of Connecticut at Avery Pt., Groton, Connecticut 06340.



MISSING CONFERENCE VOLUMES

The Coastal Engineering Archives would like to replace some missing volumes of the International Conference on Port and Ocean Engineering under Arctic Conditions -- POAC.

The missing volumes are:

POAC 1977 4th conf.	St. Johns, Newfoundland	v.1
POAC 1979 5th conf.	Trondheim, Norway	v.1,3
POAC 1981 6th conf.	Quebec	v.1,2
POAC 1983 7th conf.	Helsinki	v.1,2,3

If you can supply any of the volumes, contact: Coastal Engineering Archives, 433 Weil Hall, University of Florida, Gainesville, FL 32611, (904) 392-2710.



\* OFFERS AND REQUESTS FROM NEW ZEALAND \*

At the time of writing my library is in the process of joining IAMS LIC. I would welcome contact with any members of IAMS LIC who are visiting New Zealand, and through your newsletter I extend an invitation to visit my library and stay with me. I can offer one bed and put another person up on a camp stretcher.

I would also be interested to correspond with any members of IAMS LIC who have had or are experiencing the computerization of indexing in-house. In particular I would be interested in knowing what thesaurus was used. The announcement of the revised edition of the ASFIS Thesaurus is good news, but if other systems are in use I would be glad to know of them.

Yours sincerely,  
J. Caroline Williams, Librarian  
Fisheries Research Centre  
New Zealand Ministry of Agriculture and Fisheries  
P.O. Box 297  
Wellington, New Zealand

\* ON NETWORKING, NATIONAL AND OTHERWISE \*

I am naive about computers and have a bias toward microcomputers. Having said that, I have a simple question: Is it possible to produce an ASFA-compatible, machine-readable record using common microcomputers? By "common" I mean those popularly sold to individuals or modest-sized organizations: IBM PC, IBM compatibles or Apple products, for example.

Granted, a PC cannot provide the capacity of a mainframe, but it is more sophisticated than ever before. I would like to produce a record for my own use that could then be edited/embellished for ASFA input. If we could do this in institutions both large and small around the world, we could enhance national resources, confirm local control of information records and contribute to an international marine data base.

While I believe it wise to have a record of holdings removed from the site for safekeeping, I would be reluctant to depend upon another institution for sole access to my collection. I would willingly share my record; in machine readable form, with others. I am also willing to discuss/alter record content provided I don't lose vital information.

Still reeling from the mandatory budget cuts, Round One, I must insist that the above be based upon a software costing no more than \$1000.00 AND that it be a flexible software, able to do other tasks than the manipulation of bibliographic records.

Is this too much to ask? Too costly to contemplate?

Mary Jane Beardsley

# coastweek '86

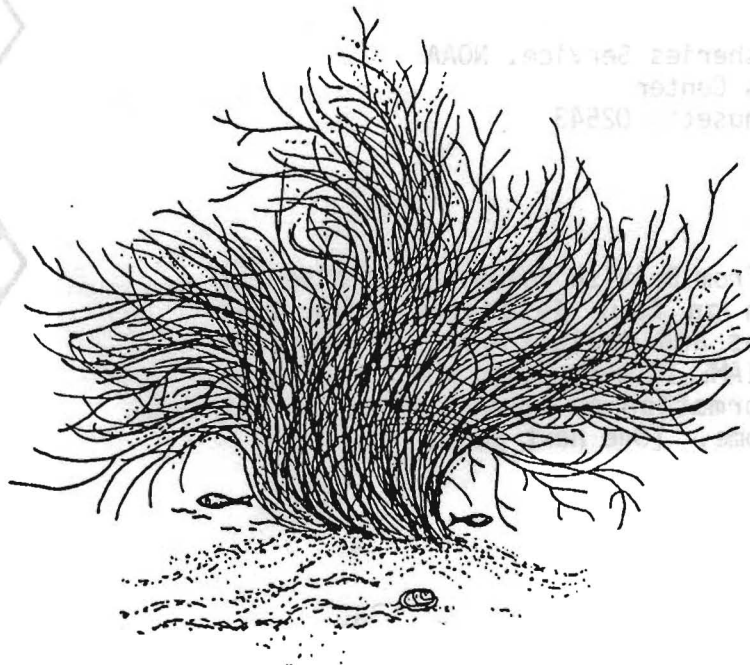
In 1970, 90% of the nation's population lived within 100 miles of the coast. In 1990, it is predicted that the ratio will be the same but the population number will be much greater. Now in its fifth year, COASTWEEK is an annual celebration of the nation's shores which calls attention to the value of the coast and its resources. Endorsed by the Coast Alliance, the Coastal Society, the League of Women Voters, the Sierra Club and the Coastal States Organization, COASTWEEK is a theme around which various groups, individuals and agencies can work to foster public awareness of this unique area.

COASTWEEK '86 will be held from 20 September through 13 October. The observance is regularly scheduled for the fall period that includes the Columbus Day holiday. In 1986, this period is being expanded to accommodate many events that have already been scheduled.

Last year, 19 governors endorsed COASTWEEK and more than 300 organizations and agencies sponsored thousands of events in 28 states and two countries overseas. There were beach cleanups and beach parties, whale watches, boat trips, workshops, poster and essay contests, conferences, library and museum exhibits, and many other events.

COASTWEEK '86 has more than 250 endorsers. The Coastal States Organization has named a campaign coordinator in each member state. The Coastal Society is planning its 10th annual conference in New Orleans during COASTWEEK. A coast-to-coast beach cleanup is planned.

A list of suggested activities, logo sheet, draft proclamation, activity report and contact directory is available from Barbara Fegan, Coordinator; COASTWEEK '86, Box 545, South Wellfleet, Massachusetts 02663 for \$1.00 postpaid. For the name of your statewide coordinator, contact Barbara Fegan.



## IAMS LIC '86 OCTOBER 6-10

The 1986 conference program is developing very well. So far, I have received the following in response to the Call for Papers:

- \* As a special feature, a speaker and slide show on the recent historic TITANIC discovery.
- \* The development of fisheries libraries within the framework of the FAO, offered by the librarian at FAO's fisheries library in Rome.
- \* A session on the freshwater/marine science information interface.
- \* An educator from a marine resource center to speak on teaching materials in the marine sciences.
- \* Several offers of papers on the conference theme of Networking.

There is still room on the program if anyone would like to give a paper or organize a session. Responses have not been received on the following suggested topics: Information services in marine parks and sanctuaries, access to translations, federal information policies and their effect on libraries, and online databases in the marine sciences. Please send a title and abstract to me no later than May 1, so that the final program can be developed.

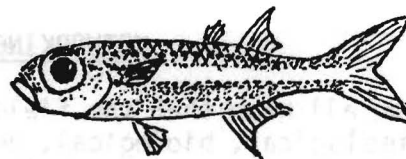
Judith Brownlow  
Program Convener  
National Marine Fisheries Service, NOAA  
Northeast Fisheries Center  
Woods Hole, Massachusetts 02543  
U.S.A.

## SUGGESTIONS:

A database broker from British Columbia has given me some information on four databases which have information on ships and navigation. If there is anyone among the IAMS LIC membership who can offer a paper or more information on these databases, it would be most welcome. [See next page]

from the conference convener...





FULL NAME: SHIPDES  
 FREQUENCY OF UPDATE: weekly  
 TIME SPAN COVERED: 1969 to present  
 PRINCIPAL LANGUAGE OF RECORDS: English  
 PRODUCER(S): Maritime Information Centre/CMO, The Netherlands, 010-130960  
 NUMBER OF RECORDS: 13,500  
 ANNUAL GROWTH RATE: 3,250  
 DATABASE DESCRIPTION: SHIPDES indexes literature on ships that would be of interest to shipping and shipbuilding companies. The following information on ships is included: the name, type, gross registered tons, deadweight in tons, overall length, beam, depth, speed, and draught.

FULL NAME: MARNA  
 FREQUENCY OF UPDATE: weekly  
 TIME SPAN COVERED: 1974 to present  
 PRINCIPAL LANGUAGE OF RECORDS: English  
 LANGUAGE OF SOURCE MATERIALS: Dutch - English - French - German  
 PRODUCER(S): Maritime Information Centre/CMO, The Netherlands, 010-130960  
 PRINTED EQUIVALENT(S): MARNA - news  
 NUMBER OF RECORDS: 45,000  
 ANNUAL GROWTH RATE: 5,000  
 DATABASE DESCRIPTION: MARNA includes information on ships, shipping and navigation, ship building, ports and waterways, fishing industry, offshore oil and gas, ocean mining, inland shipping, marine pollution, energy generation, floating plants, laws, recommendations, regulations and rules.

FULL NAME: Ship Abstracts  
 ACRONYM: SHIP  
 FORMER ACRONYM: Ai for Skip  
 FREQUENCY OF UPDATE: monthly  
 TIME SPAN COVERED: 1973 to present - (online database only)  
 PRINCIPAL LANGUAGE OF RECORDS: English  
 PRODUCER(S): Norsk Skipsforskningsinstitutt, NSFI, Norway, 2689280  
 AVAILABLE BY LEASE OR LICENSE?: y  
 MEDIUM: tape  
 PRINTED EQUIVALENT(S): Ship Abstracts  
 NUMBER OF RECORDS: 53,000 - (The online database (1973-present) contains 32,000 references only.)  
 ANNUAL GROWTH RATE: 3,000  
 DATABASE DESCRIPTION: SHIP covers selected ship technical and management articles from international journals, reports, proceedings, and patents.

BRASSEY'S NAVAL RECORD ( ON PERGAMON INFOLINE )

Online database containing comprehensive records on all naval vessels currently under construction worldwide. Each vessel record contains 96 fields covering the country and service ordering the vessel, type and class of vessel, shipbuilding events such as date ordered, etc., dimensions, prime mover, auxiliary machinery, weapons systems, aircraft facilities, etc.

### NETWORKING VS CENTRAL DATA BASE

We all know that the field of marine science is interdisciplinary. Archaeological, biological, geological, physical, and on and on. We also know that marine science information is published in all of the basic scientific sources as well as the specifically marine publications. This makes marine information sources EXTREMELY diversified.

First, let me state that a machine searchable file described above is already available via the 411 file on DIALOG. This covers all of the major sources and a whole lot of the minor sources. But let's still look at the special database.

We know that building a special database as suggested by Frances Swim is going to be very expensive. Using Sharon Thomson's estimate of cost/record we are looking at \$3.15/record for the data entry. What of the cost of equipment & maintenance? Managerial personnel? Database system? Software? etc. Carolyn Winn is aware of several data bases already available in machine readable format. BUT what about data conversion and reformatting to conform to "the STANDARD" whatever is decided upon when the software is purchased? Data conversion is not cheap either. This is just to state that the cost of producing a central data base for the marine scientific community will, of necessity, be several millions of U.S. dollars.


The idea of having a place to look for marine science information in an area where the knowledge (information) would be concentrated is excellent; however, with recent developments in hardware we can now look at alternative ways of handling this problem.

### MY POINT OF VIEW

No. 1--My first and foremost responsibility is to the scientific community which I serve.

No. 2--Hardware development is such that we can network our resources thereby meeting the unique needs of our own scientific users and still make our collection available to the scientific community at large.

No. 3--COST. Data entry is still the major portion of the cost of any data base system. This includes the maintenance and updating of the system. If you require a large enough data base with a large number of users you might require a "super computer" which operates at over 130 MIPS (millions of instructions per second). This amount of power is normally used only for floating point arithmetic and is referred to as Mflops (millions of floating-point operations per second) or networking. We are talking about millions of dollars for the computer alone.

(continued on next page) 



(NETWORKING VS CENTRAL DATA BASE ..... continued)◇

ALTERNATE POSSIBILITIES:

HARDWARE:

Intel now touts its 80386 (32 bit processor) to run at 3 to 4 MIPS. This chip will be available for a new generation of computers which will look like the PC's but rival the mainframes in power and addressable memory. These systems can be purchased modularly and as your needs grow the system can be enlarged to accommodate those needs. Also with existing inexpensive software most micro's can communicate with this type of system, so that networking can easily be accomplished. Intel is not the only one making time sharing microprocessors. Motorola's 68000 is also available, however, you will need to be careful how the system is configured. I have used one system with the 68000 (16 bit processor) where 4 users overloaded the system. That system was a single processor/multi-user system. The multi-processor architecture is much faster and will allow "theoretically" an unlimited number of users.\*

DATA INPUT:

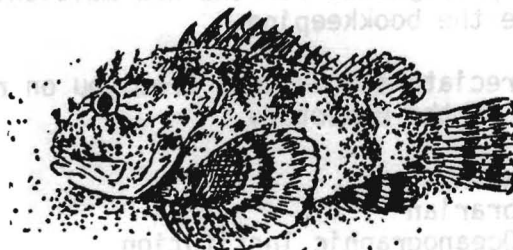
Still a major expense; however, we might jointly tackle this problem by sharing the input data which is not already machine readable. Carolyn Winn mentioned some data available already. This could possibly be purchased for inclusion in our own data bases.

Optical readers are becoming more and more sophisticated and cheaper as the days go by. My lab is looking at an optical reader to input typed pages for digitizing reports, manuscripts, etc. Once the publication is digitized it can become part of your data base.

We, the library & information centers, are now a sizable market. There is not any reason why we cannot influence the hardware & software developers to meet OUR needs.

\*Read: Science, AAAS, 28 February 1986, Volume 231:935-978. Especially the paper by Forest Baskett & John L. Hennessy "Small Shared-Memory Multiprocessors" pp 963-967. These papers were written from the scientific perspective; however, information science is a natural application.

RUTH GRUNDY ★★★★★



EL NINO BIBLIOGRAPHY

There are only 3 copies left of BIBLIOGRAFIA SOBRE EL FENOMENO EL NINO DESOE 1891 A 1985, by Jorge Mariategui et al., published by the Instituto del Mar del Peru, 1985. The price for IAMS LIC members is \$50.00 and Kay Hale, IAMS LIC Treasurer, is taking orders.



\* DIRECTORY OF MARINE SCIENCE LIBRARIES AND INFORMATION CENTERS \*  
New Edition

Thank you to all the new members who responded so promptly to our Directory questionnaire. I didn't know the mail would travel that fast to Australia. The first mailing requesting entry information was sent to all members who did not appear in the 1981 edition or the 1984 supplement. The next mailing will go to the libraries and information centers who have previously submitted entry data and will contain their listing as it exists in our data base. I expect to see a lot of changes and additions coming in. If the response to the second mailing is as enthusiastic as to the first mailing, we will be well on our way to completing the Directory on time for the '86 meeting. The third mailing will go out to potential members/entries. If you have suggestions, please send the addresses to me.

Once again, the WHOI Sea Grant Program is willing to pay most of the printing costs with matching funds from IAMS LIC. I won't be able to go out for bids on printing costs until I know how many entries will be in the Directory - so I am making the appeal for quick responses to the next questionnaire.

Please - no prepayments for the new edition. The price is not set yet and I can't handle the bookkeeping.

I would appreciate suggestions from you on reviewing media to which I should send copies of the Directory.

Carolyn P. Winn  
Research Librarian  
Woods Hole Oceanographic Institution  
Woods Hole, MA 02543

SOUTHEASTERN MASSACHUSETTS UNIVERSITY  
Library Communications Center  
Old Westport Road  
North Dartmouth, MA 02747  
(617) 999-8675

Catherine A Fortier  
Serials Librarian

Cynthia St. Amour  
ILL Assistant

Academic library. Open 8:30 a.m. - 11:00 p.m., Mon. - Thurs.; 8:30 a.m. - 5:00 p.m., Fri.; 9:30 a.m. - 5:00 p.m., Sat., 11:00 a.m. - 11 p.m., Sun.

User Policy: Open to the public for on-site use. Borrowing limited to Massachusetts residents.

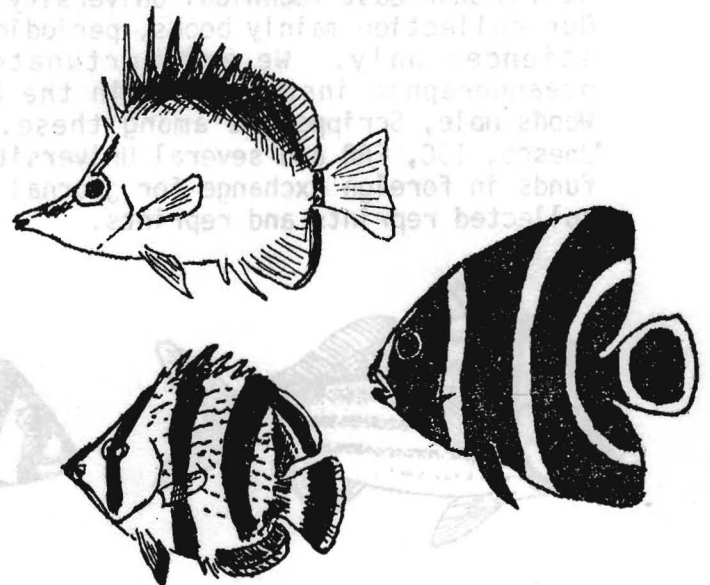
Services: On-line searching, ILL, photocopying, OCLC.

Description of Collection: 300,000 volumes; 56,000 microforms; approx. 2,000 current periodical titles; ERIC microfiche collection; University Archives; Robert Kennedy Assassination Archives; U.S. Government Document partial depository.

Subjects: Biology, Business, Chemistry, Computer Science, Education, Engineering, Fine Arts, Mathematics, Medical Technology, Nursing, Physics, Social & Behavioral Sciences.

Electronic Mail: MEDLINK, OCLC-ILL subsystem.

# NOTES FROM THE CORNER



I am planning to send out a survey to all IAMSLIC members next month. The results of this survey will be used to compile information for the paper that I plan to present in Oregon. I am hereby begging you to fill it out and return it to me. Regardless of how many surveys you toss in the trash, please fill out mine - you will all benefit in the long run. (P.S. At the conference I plan to have a large map of the world and all those marine libraries who didn't return my survey will be marked with a big red dot and held up to public ridicule).

• NEXT NEWSLETTER DEADLINE •

AUGUST 15



MIDDLE EAST TECHNICAL UNIVERSITY  
Institute of Marine Sciences  
Library  
P.K. 28, Erdemli  
Icel, Turkey  
(Turkey) -7585-1842  
Telex: 67796 DMS TR

Gulgun Latif  
Librarian

Academic Branch Library. Open: 8:30 a.m. - 5:00 p.m.

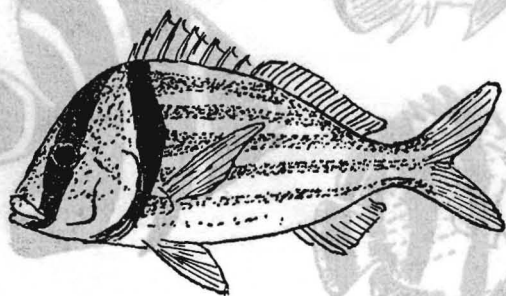
Users Policy: Specialized library serving needs of researchers. Direct borrowing only to Institute Staff. Periodicals do not circulate, xerox copy provided. On-site use to others.

Services: Literature searches and reference services for Institute staff.

Description of Collection: 1400 books, 1300 bound journals/serial titles. 3500 reprints, 40 current periodical subscriptions.

Subjects: Oceanography, marine chemistry; marine geology; marine pollution; marine biology and fisheries.

Our library here at the Institute of Marine Sciences is part of the Main Middle East Technical University library which is located in Ankara. Our collection mainly books, periodicals and reprints pertaining to marine sciences only. We are fortunate in having several outstanding oceanographic institutions in the USA send us their collected reprints. Woods Hole, Scripps are among these. We also receive publications for Unesco, IOC, FAO and several Universities and Institutions. Due to limited funds in foreign exchange for journal subscriptions, we depend greatly on collected reprints and reprints.



\* TOM MORITZ \*

Tom Moritz formerly the librarian at University of Washington Fisheries and Ocean Sciences Library has accepted the position of librarian at California Academy of Sciences - Steinhart Aquarium. Pam Mofjeld replaces Tom in Fisheries and Ocean Science and Cathy Carr has transferred to the University of Washington Natural Sciences Library.



IAMSLIC  
c/o K.L. METZGER  
HBF, Inc.  
R.R. 1, Box 196  
FT. PIERCE, FL 33450  
USA



TO:

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U.S.A.